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97002-CSerial N .  
09/369,236Applicant:  
Krafft, et al.Filing Date:  
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## U.S. PATENT DOCUMENTS

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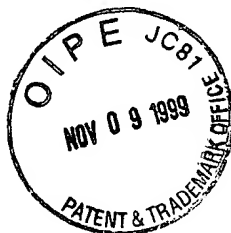
## FOREIGN PATENT DOCUMENTS

|    | Document Number | Date        | Country | Class | Subclass | Translation |    |
|----|-----------------|-------------|---------|-------|----------|-------------|----|
|    |                 |             |         |       |          | Yes         | No |
| as | BA              | WO 94/10569 | 9/1/93  | PCT   |          |             |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

|                               |    |   |
|-------------------------------|----|---|
| as                            | CA | Busciglio, J., et al. (1995) $\beta$ -Amyloid Fibrils Induce Tau Phosphorylation and Loss of Microtubule Binding. <i>Neuron</i> 14, 879-888.  |
| as                            | CB | Cai, X.D., et al. (1993) Release Of Excess Amyloid Beta Protein From a Mutant Amyloid Beta Protein Precursor. <i>Science</i> 259, 514-516.  |
| as                            | CC | Chartier-Harlin, M.C., et al. (1991) Early-onset Alzheimer's Disease Caused by Mutations at Codon 717 of the $\beta$ -Amyloid Precursor Protein. <i>Nature</i> , 353, 844-846.                            |
| as                            | CD | Citron, M., et al. (1992) Mutation Of the Amyloid Precursor Protein In Familial Alzheimer's Disease Increases Beta Protein Production. <i>Nature</i> 360, 672-674.  |
| as                            | CE | Esch, F. S., et al. (1990) Cleavage Of Amyloid Beta Peptide During Constitutive Processing Of Its Precursor <i>Science</i> 248, 1122-1124.  |
| as                            | CF | Glenner, G. G. & Wong, C. W. (1984a) Alzheimer's Disease Initial Report Of the Purification and Characterization Of a Novel Cerebro Vascular Amyloid. <i>Biochem. Biophys. Res. Commun.</i> 120, 885-890. |
| as                            | CG | Glenner, G. G. & Wong, C. W. (1984b) Alzheimer's Disease and Downs Syndrome Sharing Of a Unique Cerebrovascular Amyloid Fibril Protein. <i>Biochem. Biophys. Res. Commun.</i> 122, 1131-1135.             |
| EXAMINER<br><i>Ansh Gupta</i> |    | DATE CONSIDERED<br><i>6/21/02</i>   |

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|            |     |   |
|------------|-----|---|
| ag         | CH  | Goate, A., et al. (1991) Segregation of a Missense Mutation in the Amyloid Precursor Protein Gene with Familial Alzheimer's Disease. <i>Nature</i> , 349, 704-706.  |
| as         | CI  | Iversen, L. L., et al. (1995) The toxicity in vitro of $\beta$ -amyloid protein. <i>Biochemistry</i> 311, 1-16.   |
| ag         | CJ  | Kang, J., et al. (1987) <i>Nature</i> 325, 733-736.   |
| ag         | CAQ | Kuo, Y.-M., et al. (1996) Water-soluble A $\beta$ (N-40, N-42) Oligomers in Normal and Alzheimer Disease Brains. <i>J. Biol. Chem.</i> , 271(8), 4077-4081  |
| ag         | CK  | Ladror, U. S., et al. (1994) "Cleavage at the Amino and Carboxy Termini of Alzheimer's Amyloid- $\beta$ by Cathepsin D" <i>J. Biol. Chem.</i> 269, 18422-18428.   |
| ag         | CL  | Ladu, M. J., et al. (1994) Isoform-Specific Binding of Apolipoprotein-E to Beta-Amyloid. <i>J. Biol. Chem.</i> 269, 23403-23406.  |
| ag         | CM  | Ladu, M. J., et al. (1994) Purification of Apolipoprotein-E Attenuates Isoform-Specific Binding to Beta-Amyloid. <i>J. Biol. Chem.</i> 269, 9039-9042.  |
| ag         | CN  | Lambert, M. P., et al. (1994) b/A4-Evoked Degeneration of Differentiated SH-Sy5Y Human Neuroblastoma Cells. <i>J. Neurosci. Res.</i> 39, 377-384.   |
| ag         | CO  | Levy-Lahad, E., et al. (1995) A Familial Alzheimer's Disease Locus on Chromosome 1. <i>Science</i> 269: 970-973.  |
| ag         | CP  | Lorenzo, A. & Yankner, B. A. (1994) $\beta$ -Amyloid neurotoxicity requires fibril information and is inhibited by Congo red. <i>Proc. Natl. Acad. Sci. USA</i> 91, 12243-12247.  |
| ag         | CQ  | Ma J, et al. (1994) The amyloid-associated proteins $\alpha$ 1-antichymotrypsin and apolipoprotein E promote the assembly of the Alzheimer $\beta$ -protein into filaments. <i>Nature</i> 372: 92-94.                       |
| ag         | CR  | Mann, D. M., et al. (1996) Amyloid beta protein (A $\beta$ ) deposition in chromosome, 14-linked Alzheimer's disease: predominance of A $\beta$ 42(43). <i>Ann. of Neurol.</i> 40, 149-56.                                  |
| ag         | CS  | Masters, C.L., et al. (1985a) Neuronal Origin Of a Cerebral Amyloid: Neurofibrillary Tangles Of Alzheimer's Disease Contain the Same Protein As the Amyloid Of Plaque Cores and Blood Vessels. <i>EMBO J.</i> 4, 2757-2764. |
| ag         | CT  | Masters, C.L., et al. (1985b) Amyloid Plaque Core Protein In Alzheimer's Disease and Down Syndrome. <i>Proc Natl Acad Sci U S A</i> 82, 4245-4249.  |
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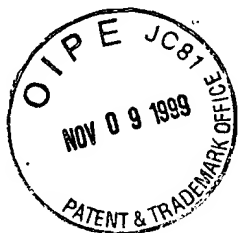
|    |     |  |
|----|-----|--|
| 08 | CU  | May, P. C., et al. (1992) $\beta$ -Amyloid Peptide In Vitro Toxicity: Lot-to-Lot Variability. <i>Neurobiol. Aging</i> 13, 605-607.   |
| 00 | CV  | Mullan, M., et al. (1992) A Pathogenic Mutation for Probable Alzheimer's-Disease in the APP Gene at the N-Terminus of Beta-Amyloid. <i>Nature Genetics</i> 1, 345-347.   |
| 08 | CW  | Murrell, J., et al. (1991) A mutation in the Amyloid Precursor Protein Associated with Hereditary Alzheimer's Disease. <i>Science</i> , 254, 97-9.   |
| 00 | CX  | Namgung, U., et al. (1995) Long-term potentiation in vivo in the intact mouse hippocampus. <i>Brain Res.</i> 689, 85-92.   |
| 00 | CY  | Oda, T., et al. (1994) Purification and Characterization of Brain Clusterin. <i>Biochem. Biophys. Res. Commun.</i> , 204, 1131-1136.   |
| 00 | CZ  | Oda, T., et al. (1995) Clusterin (apoJ) Alters the Aggregation of Amyloid $\beta$ -Peptide ( $A\beta_{1-42}$ ) and Forms Slowly Sedimenting $A\beta$ /Clusterin complexes that cause Oxidative Stress. <i>Exptl. Neurol.</i> 136, 22-31.                           |
| 00 | CAA | Pike, C. J., et al. (1993) Neurodegeneration Induced by $\beta$ -Amyloid Peptides in vitro: The Role of Peptide Assembly State. <i>J. Neurosci.</i> 13(4), 1676-1687.  |
| 00 | CAB | Roher, A. E., et al. (1993) Morphological and biochemical analyses of amyloid plaque core proteins purified from Alzheimer's disease brain tissue. <i>J. Neurochem.</i> 61, 1916-1926.   |
| 00 | CAR | Roher, A. E., et al. (1993) $\beta$ -Amyloid-(1-42) is a major component of cerebrovascular amyloid deposits: Implication for the pathology of Alzheimer disease. <i>Biochemistry</i> , 90, 10836-10840  |
| 00 | CAS | Roher, A. E., et al. (1996) Morphology and toxicity of $A\beta$ -(1-42) Dimer Derived from Neuritic and Vascular Amyloid Deposits of Alzheimer's Disease. <i>J. Biol. Chem.</i> 271(34), 20631-20635   |
| 00 | CAC | Scheuner, D., et al. (1996) Secreted amyloid beta-protein similar to that in the senile plaques of Alzheimer's disease is increased in vivo by the presenilin 1 and 2 and APP mutations linked to familial Alzheimer's disease. <i>Nature Medicine</i> 2, 864-870. |
| 00 | CAD | Selkoe, D. J. (1994) Normal and abnormal biology of the beta-amyloid precursor protein. Cowan, W. M. (Ed.). <i>Ann. Rev. Neurosci.</i> Vol. 17. ix + 623p. Annual Reviews Inc.: Palo Alto, California, USA., 489-517.  |

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|            |     |   |
|------------|-----|---|
| 00         | CAE | Sherrington, R., et al. (1995) Cloning a gene bearing missense mutations in early onset familial Alzheimer's disease. <i>Nature</i> 375: 754-760.   |
| 00         | CAF | Simmons, L. K., et al. (1994) Secondary Structure of Amyloid $\beta$ Peptide Correlates with Neurotoxic Activity In Vitro. <i>Molec. Pharmacol.</i> 45, 373-379.  |
| 00         | CAG | Sisodia, S. S., et al. (1990) Evidence That Beta Amyloid Protein In Alzheimer's Disease Is Not Derived By Normal Processing. <i>Science</i> 248, 492-495.   |
| 00         | CAH | Snow, A. D., et al. (1992) A Rat Model to Study the Effects of BAP-Containing Amyloid in Brain. ("Brain amyloid accumulation in rats within 1 week of infusion of amyloid- $\beta$ and a plaque component") <i>Soc. Neurosci. Abstr.</i> 18, 1465, Ab. 616.6. |
| 00         | CAI | Snyder, S. W., et al. (1994) Amyloid $\beta$ Aggregation: Selective Inhibition of Aggregation in Mixtures of Amyloid with Different Lengths. <i>Biophys. J.</i> 67, 1216-28.  |
| 00         | CAJ | Strittmatter, W. J., et al. (1993) Apolipoprotein E: High-avidity binding to $\beta$ -amyloid and increased frequency of type 4 allele in late-onset familial Alzheimer disease. <i>Proc. Natl. Acad. Sci. USA</i> 90, 1977-1981.                             |
| 00         | CAK | Suzuki, N., et al. (1994) An increased percentage of long amyloid $\beta$ protein secreted by familial amyloid protein precursor (beta-APP-717) mutants. <i>Science</i> 264, 1336-1340.   |
| 00         | CAL | Tamaoka, A. et al. (1994) Biochemical Evidence for the Long-Tail Form (A $\beta$ -1-42-43) of Amyloid-Beta Protein as a Seed Molecule in Cerebral Deposits of Alzheimer's Disease. <i>Biochem. Biophys. Res. Commun.</i> 205, 834-842.                        |
| 00         | CAM | Tanzi, R. E., et al. (1987) Amyloid Beta Protein Gene Complementary DNA, mRNA Distribution and Genetic Linkage Near the Alzheimer Locus. <i>Science</i> 235, 880-884.   |
| 00         | CAT | Wisniewski, T., et al. (1994) Alzheimer's Disease and Soluble A $\beta$ . <i>Neurobiol. Aging</i> , 15(2), 143-152  |
| 00         | CAN | Wright C. I., et al. (1993) Neuroglial cholinesterases in the normal brain and in Alzheimer's Disease: relationship to plaques, tangles and patterns of selective vulnerability. <i>Ann. Neurol.</i> 34, 373-384.   |
| 00         | CAO | Yankner, B. A. (1996) Mechanisms of Neuronal Degeneration in Alzheimer's Disease. <i>Neuron</i> 16, 921-932.  |
| 00         | CAP | Zhang, C., et al. (1994) Focal Adhesion Kinase Expressed by Nerve Cells Lines Shows Increased Tyrosine Phosphorylation in Response to Alzheimer's A $\beta$ Peptide. <i>J. Biol. Chem.</i> 269, 25247-25250.  |
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